

Rapid Alternate Paths... Alia Karin Atlas, et al. Inventors: 23.1 (206 230 217 218 -203 219 Fi6.2

Docket No.:

Title:

2390.2009-001

Rapid Alternate Paths... Alia Karin Atlas, et al. Inventors: 310 308 _303_ NETWORK 305

Docket No.:

Title:

2390.2009-001

Alia Karin Atlas, et al. Inventors: NOI 407 406 405 403 408 Network

Docket No.:

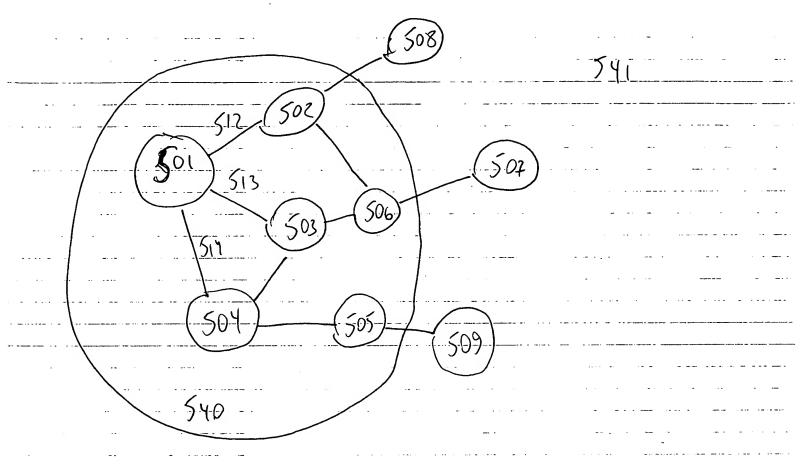
Title:

2390.2009-001

Rapid Alternate Paths...

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Title: Rapid Alternate Paths...
Inventors: Alia Karin Atlas, et al.



F.6.5

Docket No.: Title: 2390.2009-001

Rapid Alternate Paths... Alia Karin Atlas, et al. Inventors:

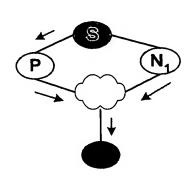
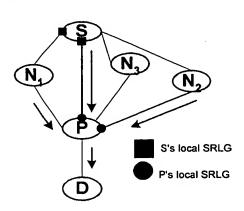


Fig. 6

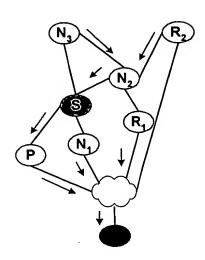
Title: Rapid Alternate Paths...
Inventors: Alia Karin Atlas, et al.



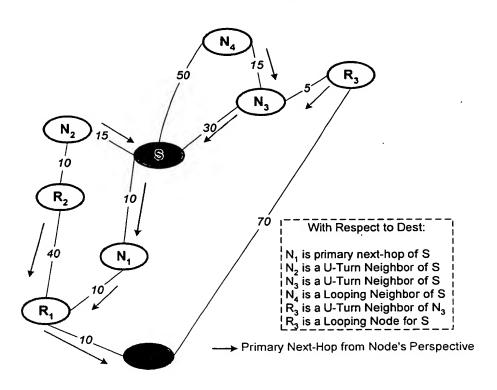
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2390.2009-001

Docket No.: Title: Rapid Alternate Paths... Alia Karin Atlas, et al. Inventors:



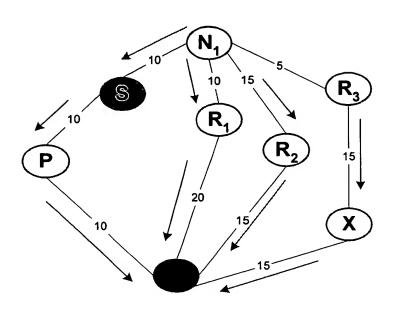
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Fi6.9

2390.2009-001

Docket No.: Title: Inventors: Rapid Alternate Paths... Alia Karin Atlas, et al.



Fi6.10

Docket No.: Title: 2390.2009-001

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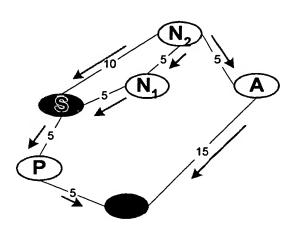
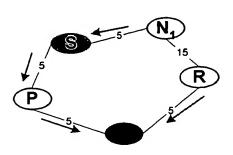


Fig.11

2390.2009-001

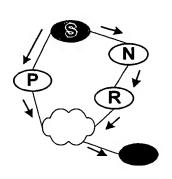
Docket No.: Title: Inventors: Rapid Alternate Paths... Alia Karin Atlas, et al.



Fi6.12

2390.2009-001

Docket No.: Title: Rapid Alternate Paths... Alia Karin Atlas, et al. Inventors:



Fr6.13

Title: Rapid Alternate Paths... Inventors: Alia Karin Atlas, et al.

If the IP destination prefix indicates destination D

If packet was received on an interface connected to a primary next-hop neighbor

Forward or discard based on Error! Reference source not found.

Else forward the packet to the primary next-hop.

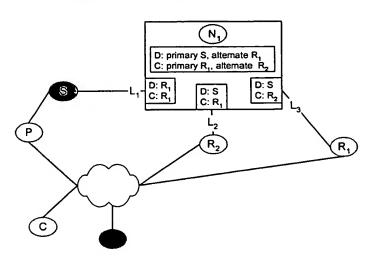
F.6.14

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Inventors: Alia Karin Atlas, et al.

State Interface	U-Turn Capable and no loop-free node-protecting alternate	Not U-Turn capable	U-Turn Capable and Lo p-Free N de- Pr tecting Alternate
Point-to-point	Discard	Forward to Primary	Forward to Alternate
Broadcast	Forward to Primary & send an ICMP redirect, or Discard, based on configuration	Forward to Primary	Forward to Alternate

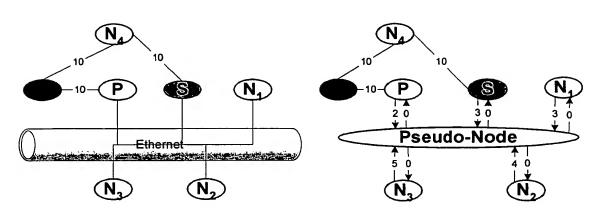
Fig. 15

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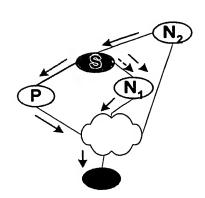
Fi6.16

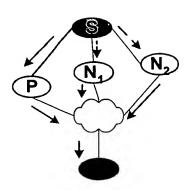
Title: Rapid Alternate Paths...
Inventors: Alia Karin Atlas, et al.



Fi6.17

Docket No.: Title: 2390.2009-001 Rapid Alternate Paths... Alia Karin Atlas, et al. Inventors:





Fi6.18

2390.2009-001 Rapid Alternate Paths... Alia Karin Atlas, et al. Docket No.: Title: Inventors:

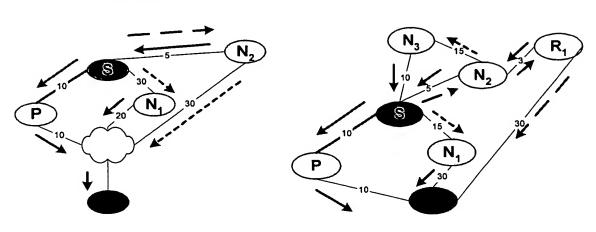
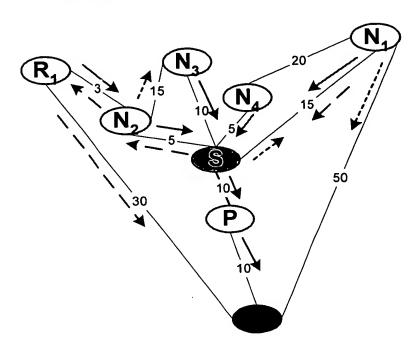


Fig. 19

2390.2009-001 Rapid Alternate Paths... Alia Karin Atlas, et al. Docket No.: Title: Inventors:



F16.20

Rapid Alternate Paths... Title: Alia Karin Atlas, et al. Inventors:

Unaffected Router .

Outdated Router (A) .

Updated Router .



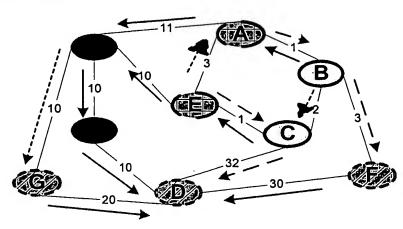
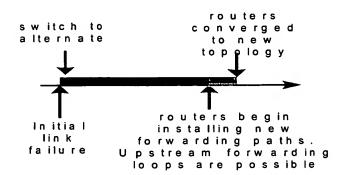


Fig. 21

Docket No.: 2390.2009-001 Title: Rapid Alternate Paths...

Inventors:



Alia Karin Atlas, et al.

F.76.22

Docket No.: Title: 2390.2009-001

Rapid Alternate Paths... Alia Karin Atlas, et al. Inventors:

IP/LDP Local Protect Router Capability	Eligible Alternate Link Capability	Usable As Alternate?
0 or Not Present	0 or Not Present	NO
0 or Not Present	1	YES
1	0 or Not Present	No
1	1	YES

F16.23

Title: Rapid Alternate Paths... Inventors: Alia Karin Atlas, et al.

IP/LDP Local Protect	Eligible U-Turn Recipient	Usable
Router Capability	Link Capability	As U-Turn Recipient?
0 or Not Present	0 or Not Present	NO
0 or Not Present	1	YES
1	0 or Not Present	No
1	1	YES

Fig. 24

Docket No.: Title: 2390.2009-001

Rapid Alternate Paths... Alia Karin Atlas, et al. Inventors:

